ARK:jsg010903/2491001.AMD

Line By Line Amendment:

1. (Twice Amended) An apparatus for treatment of a skin disorder, the apparatus comprising:

(a) at least one light source with spectral emittance concentrated in at least one specific narrow spectral band, wherein an illumination energy of said light source is higher than a predetermined threshold level and wherein one of said at least one spectral [band] bands is in the range of 405 to 440 nm;

(b) an optical system configured to collect and [shaping] shape light emitted from said at least one light source; and

(c) an electronic unit configured to issue control parameters associated with said spectral emittance from said at least one light source.

2. (Twice Amended) The apparatus of claim 1, wherein said parameters are selected from [a] the group consisting of duration, power and emitted spectral bands of said light source emittance.

6. (Twice Amended) The apparatus of claim 1, wherein said illumination energy threshold level of said light source [having] has a power density of at least 40 mw/cm^2 at a distance of 30 cm from said light source.

7. (Twice Amended) The apparatus of claim 1, wherein [the] an illuminated area on a skin is at least 200 cm^2 when illuminating from a fixed position from said skin.

15. (Twice Amended) The apparatus of claim 1, wherein the optical system further [comprising] comprises:

at least one optical element of [a] the group consisting of a liquid filled light guide, a solid transparent light guide, a fiber bundle light guide and an array of lenses and mirrors for collecting and conducting said light emitted from [the] said light source [radiation] and illuminating a skin area at an adjustable distance, energy density and direction.

18. (Twice Amended) The apparatus of claim 1, wherein the optical system comprises [light of said at least one light source is collected and further projected by] at least one reflector [, wherein said reflector is] selected from the group consisting of an elliptical cross-section cylindrical reflector, a parabolic cross-section cylindrical reflector, and an asymmetric aspheric reflector for collecting and further projecting said light emitted from said at least one light source.

19. (Amended) The apparatus of claim 1, wherein the optical system further comprises [light of said at least one light source is collected and further collimated by] a set of two orthogonal cylindrical lenses for collecting and further collimating said light emitted from said at least one light source.

44. (Amended) The apparatus of claim 1, wherein [the] an illuminated area on a skin is 200 cm^2 when illuminating from a distance of 40 cm from said skin and said illuminated area size is controlled by changing the distance of illumination.

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Full Text Amendment:

1. An apparatus for treatment of a skin disorder, the apparatus comprising:

(a) at least one light source with spectral emittance concentrated in at least one specific narrow spectral band, wherein an illumination energy of said light source is higher than a predetermined threshold level and wherein one of said at least one spectral bands is in the range of 405 to 440 nm;

(b) an optical system configured to collect and shape light emitted from said at least one light source; and

(c) an electronic unit configured to issue control parameters associated with said spectral emittance from said at least one light source.

B1

2. The apparatus of claim 1, wherein said parameters are selected from the group consisting of duration, power and emitted spectral bands of said light source emittance.

6. The apparatus of claim 1, wherein said illumination energy threshold level of said light source has a power density of at least 40 mw/cm^2 at a distance of 30 cm from said light source.

B2

7. The apparatus of claim 1, wherein an illuminated area on a skin is at least 200 cm^2 when illuminating from a fixed position from said skin.

15. The apparatus of claim 1, wherein the optical system further comprises:

at least one optical element of the group consisting of a liquid filled light guide, a solid transparent light guide, a fiber bundle light guide and an array of lenses and mirrors for collecting and conducting said light emitted from said light source and illuminating a skin area at an adjustable distance, energy density and direction.

18. The apparatus of claim 1, wherein the optical system comprises at least one reflector selected from the group consisting of an elliptical cross-section cylindrical reflector, a parabolic cross-section cylindrical reflector, and an asymmetric aspheric reflector for collecting and further projecting said light emitted from said at least one light source.

19. The apparatus of claim 1, wherein the optical system further comprises a set of two orthogonal cylindrical lenses for collecting and further collimating said light emitted from said at least one light source.

44. The apparatus of claim 1, wherein an illuminated area on a skin is 200 cm^2 when illuminating from a distance of 40 cm from said skin and said illuminated area size is controlled by changing the distance of illumination.